

What is claimed is:

1. A recording method comprising:  
designating a particular portion on a track as a representative portion of the track when  
recording or reproducing data to or from a recording medium including a plurality of tracks;  
and  
recording reproduction related information, for reproducing the representative portion,  
to a predetermined area on the recording medium.

2. The recording method according to claim 1, wherein the reproduction related  
information comprises start time information and duration information for the representative  
portion.

3. The recording method according to claim 1, wherein the reproduction related  
information comprises start time information for the representative portion.

4. The recording method according to claim 3, wherein the reproduction related  
information further comprises duration information for the representative portion.

5. The recording method according to claim 1, wherein the reproduction related  
information is recorded on the recording medium using an entry point on the track for which  
the representative portion is designated in a digital versatile disc (DVD)-audio format.

6. The recording method according to claim 1, further comprising:  
designating a particular portion on each of the plurality of tracks as a representative  
portion of a respective track;  
storing playlist information comprising information for linking the respective tracks for  
which representative portions are designated to the predetermined area on the recording  
medium.

1           7.     The recording method according to claim 1, wherein the recording method is  
2 applied to a recording medium including at least one audio track.

1           8.     A method of reproducing data from a recording medium including a plurality of  
2 tracks, the recording medium on which representative portions for representing some or all  
3 tracks are designated and to which reproduction related information for reproducing the  
4 representative portions is recorded, the method comprising:

5                 reading from the recording medium the reproduction related information of the  
6 representative portion requested to be reproduced and analyzing the reproduction related  
7 information; and

8                 reproducing the representative portion requested to be reproduced based on the  
9 analyzed reproduction related information.

1           9.     The method according to claim 8, wherein the reproducing of the representative  
2 portion comprises reproducing the representative portion starting from a position indicated by  
3 start time information included in the analyzed reproduction related information for a duration  
4 indicated by duration information included in the analyzed reproduction related information.

1           10.    The method according to claim 8, wherein the reproducing of the representative  
2 portion comprises reproducing the representative portion starting from a position indicated by  
3 start time information included in the analyzed reproduction related information for a duration  
4 which has been previously set.

1           11.    The method according to claim 8, wherein the reading from the recording  
2 medium comprises setting a mode of reproducing the representative portion of a single track  
3 displayed on a menu, wherein the representative portion of a selected track is reproduced in the  
4 reproducing of the representative portion where the mode is set.

1           12.    The method according to claim 8, wherein the reading from the recording  
2 medium comprises setting a mode of reproducing the representative portions of all tracks

3 displayed on a menu, wherein the representative portions of all the tracks on the recording  
4 medium are reproduced in the reproducing of the representative portion where the mode is set.

1 13. The method according to claim 12, wherein in the reproducing of the  
2 representative portion, a predetermined portion of a track for which a representative portion is  
3 not designated on the recording medium is reproduced for a predetermined duration.

1 14. The method according to claim 8, wherein the reading from the recording  
2 medium comprises setting a mode of reproducing the representative portions of a plurality of  
3 tracks linked to a playlist displayed on a menu, the playlist comprising link information for  
4 linking the plurality of tracks, wherein the representative portions linked to the playlist are  
5 sequentially reproduced in the reproducing of the representative portion where the reproducing  
6 mode is set.

1 15. The method according to claim 14, wherein the reproducing of the  
2 representative portion comprises reproducing a predetermined portion of a track, for which a  
3 representative portion is not designated, among the tracks linked to the playlist for a  
4 predetermined duration.

1 16. A method of reproducing data from a recording medium storing a playlist  
2 comprising information for linking a plurality of tracks, the recording medium on which  
3 representative portions for representing some or all the tracks are designated and to which  
4 reproduction related information for reproducing the representative portions is recorded, the  
5 method comprising:

6 selecting a playlist and reading the reproduction related information of the  
7 representative portions of tracks linked to the selected playlist from the recording medium and  
8 analyzing the reproduction related information; and

9 reproducing the representative portions of the tracks linked to the playlist based on the  
10 analyzed reproduction related information.

1 17. The method according to claim 16, further comprising reproducing all the data  
2 from a current track through the last track linked to the playlist where a reproduction command  
3 is input and the representative portions of the tracks linked to the playlist are being  
4 reproduced.

1 18. The method according to claim 16, further comprising reproducing the data  
2 from all the tracks linked to the playlist where a reproduction command is input in the course  
3 of reproducing the representative portion of each of the tracks linked to the playlist.

1 19. A recording and reproducing apparatus including an encoder for encoding input  
2 data and recording encoded data to a recording medium and/or a decoder for decoding data  
3 read from the recording medium, the recording and reproducing apparatus comprising:

4 a system controller which generates reproduction related information for reproducing a  
5 representative portion of a track where data is being recorded to or reproduced from the  
6 recording medium including a plurality of tracks; and

7 a recording controller which records the reproduction related information to a  
8 predetermined area on the recording medium.

9 20. The recording and reproducing apparatus according to claim 19, wherein the  
10 reproduction related information comprises start time information and duration information for  
11 the representative portion.

1 21. The recording and reproducing apparatus according to claim 19, wherein the  
2 reproduction related information comprises start time information for the representative  
3 portion.

1 22. The recording and reproducing apparatus according to claim 21, wherein the  
2 reproduction related information further comprises duration information for the representative  
3 portion, the duration information being designated by the recording and reproducing apparatus.

1           23.    The recording and reproducing apparatus according to claim 19, wherein the  
2 recording controller records the reproduction related information on the recording medium  
3 using an entry point on the track for which the representative portion is designated in a digital  
4 versatile disc (DVD)-audio format.

1           24.    The recording and reproducing apparatus according to claim 19, wherein the  
2 track is an audio track.

1           25.    An apparatus for reproducing data from a recording medium including a  
2 plurality of tracks, the recording medium on which representative portions for representing  
3 some or all tracks are designated and to which reproduction related information for  
4 reproducing the representative portions is recorded, the apparatus comprising:

5           a system controller which reads the reproduction related information of the  
6 representative portion of a track request to be reproduced from the recording medium and  
7 analyzes the reproduction related information; and

8           a reproduction processor which reads and reproduces the representative portion based  
9 on the analyzed reproduction related information.

1           26.    The apparatus according to claim 25, wherein the reproduction processor  
2 reproduces data from the track, starting from a position indicated by representative portion  
3 start time information included in the analyzed reproduction related information for a duration  
4 indicated by representative portion duration information included in the analyzed reproduction  
5 related information.

1           27.    The apparatus according to claim 25, wherein the reproduction processor  
2 reproduces data from the track, starting from a position indicated by representative portion  
3 start time information included in the analyzed reproduction related information for a duration  
4 which has been previously set.

1           28.    The apparatus according to claim 25, further comprising a user interface unit  
2           which interfaces with the user using a menu, wherein a mode of reproducing the representative  
3           portion of a selected track is set through the menu and the reproduction processor reproduces  
4           the representative portion of the selected track.

1           29.    The apparatus according to claim 25, further comprising a user interface unit  
2           which interfaces with the user using a menu, wherein a mode of reproducing the representative  
3           portions of all tracks on the recording medium is set through the menu and the reproduction  
4           processor reproduces the representative portions of all the tracks.

1           30.    The apparatus according to claim 29, wherein the reproduction processor  
2           reproduces a predetermined portion of a track on which a representative portion is not  
3           designated on the recording medium for a predetermined duration.

1           31.    The apparatus according to claim 29, further comprising a user interface unit for  
2           interfacing with the user using a menu, wherein a mode of reproducing the representative  
3           portions of a plurality of tracks linked to a desired playlist is set through the menu and the  
4           reproduction processor continuously reproduces the representative portions of all the tracks  
5           linked to the playlist.

1           32.    The apparatus according to claim 31, wherein the reproduction processor  
2           reproduces a predetermined portion of a track, on which a representative portion is not  
3           designated, among the tracks linked to the playlist for a predetermined duration.

1           33.    The apparatus according to claim 31, wherein the reproduction processor  
2           reproduces the data from a current track through the last track linked to the playlist where a  
3           reproduction command is input and the representative portions according to the playlist are  
4           being reproduced by the reproduction processor.

1           34.    The apparatus according to claim 31, wherein the reproduction processor  
2 reproduces the data from all tracks linked to the playlist where a reproduction command is  
3 input and the representative portions according to the playlist are being reproduced by the  
4 reproduction processor.

1           35.    A recording medium comprising:  
2           an area comprising a track to which data is recorded; and  
3           a predetermined area to which reproduction related information for reproducing a  
4 representative portion of the track designated is recorded.

1           36.    The recording medium according to claim 35, wherein the reproduction related  
2 information comprises start time information and duration information for the representative  
3 portion.  
4

1           37.    The recording medium according to claim 35, wherein the reproduction related  
2 information comprises start time information for the representative portion.  
3  
4

1           38.    The recording medium according to claim 35, the reproduction related  
2 information further comprises duration information for the representative portion.  
3  
4

1           39.    The recording medium according to claim 35, wherein the reproduction related  
2 information is stored as an entry point information on the track for which the representative  
3 portion is designated in a digital versatile disc (DVD)-audio recording format.  
4

1           40.    The recording medium according to claim 35, further comprising a  
2 predetermined area to which playlist information is recorded, the playlist information  
3 comprising link information for linking a plurality of audio tracks on which representative  
4 portions are designated.

1           41.     The recording medium according to claim 35, wherein the track is an audio  
2 track.

1           42.     An audio product comprising:  
2           a recording medium;  
3           at least one audio selection recorded on the recording medium; and  
4           data recorded on the recording medium which identifies a starting point of a sample  
5 portion of the at least one audio selection.

1           43.     The audio product according to claim 42, wherein the starting point data is  
2 recorded in a cell associated with the audio selection.

1           44.     The audio product according to claim 43, wherein the starting point of the sample  
2 portion differs from a starting point of the audio selection.

1           45.     The audio product according to claim 42, wherein the data recorded on the  
2 recording medium further comprises data which identifies an end point of the sample portion.

1           46.     The audio product according to claim 45, wherein the ending point for the sample  
2 portion differs from an end point of the audio selection.

1           47.     A method of making an audio product comprising:  
2           providing a recording medium;  
3           recording at least one audio selection on the recording medium in cells;  
4           identifying a starting point and an ending point of a sample portion of the audio  
5 selection; and  
6           recording data which designates the starting point and the ending point of the sample  
7 portion in a cell associated with the audio selection.



1 48. The audio product according to claim 47, wherein the starting point of the sample  
2 portion differs from a starting point of the audio selection.

1 49. The audio product according to claim 47, wherein the ending point of the sample  
2 portion differs from an ending point of the audio selection.

1 50. A method of reproducing audio data from a recording medium which includes data  
2 designating a starting point and a reproduction duration of a sample portion of the audio data,  
3 the method comprising:

4 reproducing the sample portion from the designated starting point and for a duration not  
5 exceeding the designated reproduction duration; and

6 initiating reproduction of the audio data, beginning at a starting point of the audio data,  
7 before expiration of the reproduction duration.

8 51. A method of reproducing an audio selection from a recording medium which  
9 includes a plurality of audio selections, wherein at least one of the plurality of audio selections  
10 includes data designating a respective starting point and a respective reproduction duration of a  
11 sample portion of a respective audio selection, the method comprising:

12 displaying a menu of the respective audio selections for which the designating data  
exists on the recording medium;

selecting one or more of the audio selections from the menu;

sequentially reproducing the sample portions corresponding to the selected audio  
selections for a duration not exceeding a respective reproduction duration, beginning the  
reproduction of each sample portion at the respective designated starting point; and

initiating reproduction of one of the selected audio selections from the beginning of the  
audio selection before expiration of the respective reproduction duration.

1                   52. A method of reproducing audio data comprising:

2                   providing a recording medium which includes a plurality of audio selections, wherein  
3 each of the plurality of audio selections includes data identifying an audio sample  
4 representative of the audio selection;

5                   sequentially reproducing the audio samples corresponding to the audio selections,  
6 according to a reproduction sequence; and

7                   initiating reproduction of one of the selected audio selections from the beginning of the  
8 initiated audio selection after reproduction of at least a portion of the audio sample  
9 corresponding to the initiated selection.

1                   53. A recording medium comprising:

2                   a plurality of tracks each having data recorded thereon; and

3                   highlight information designating sample portions of the data of at least some of the  
4 tracks.

5                   54. The recording medium according to claim 54, wherein the data of each of the  
6 tracks is audio data.